

THE CLAIMS

What is claimed is:

- 5 1. A coupling for detachably coupling first and second devices comprising:
a first coupling part on the first device and a second coupling part on the second device, with the first coupling part having a circumferential coupling groove defined by a radial interior and exterior walls respectively and ending in a free end face facing in the opposite direction of the first device, and the second coupling part including first and second discs each having an aperture, and
10 first and second coupling collars respectively designed around the apertures of the first and second discs and extending mainly in a cross direction of each respective disc,
 wherein the second coupling collar extends through the aperture of the first disc in the same direction as the coupling collar of this disc, and the two coupling collars of the second
15 coupling part extend into and engage the circumferential coupling groove of the first coupling part when the devices are coupled.

- 20 2. The coupling according to claim 1, wherein the radial exterior wall of the coupling groove includes a circumferential projection facing radially inwards and defining an offset.

- 25 3. The coupling according to claim 1, wherein the free end face of the radial exterior wall of the coupling groove abuts closely against the first disc when the devices are coupled.

4. The coupling according to claim 1, wherein the radial exterior wall of the coupling groove is longer than its radial interior wall when viewed in cross section.

- 30 5. The coupling according to claim 1, wherein the first coupling collar is perforated by a number of uniformly distributed windows, the second coupling collar is divided into a number of elastic fingers that completely or partly extend into or through each window, the free end of each finger is designed with a hook facing radially outwards, and the hooks abut against an offset on the radial exterior wall in the coupling groove of the first coupling part when the devices are coupled.

6. The coupling according to claim 5, wherein free end faces of the hooks have an inclination facing obliquely outwards, the inside face of each window of the coupling collar of the first disc facing the hooks has a corresponding inclination, and that the two discs are located at a distance from each other when the devices are coupled.

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7. The coupling according to claim 1, wherein the first and second coupling collars are arranged to be pressed together between the radial interior wall and exterior wall respectively of the first coupling part when the devices are coupled.

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8. The coupling according to claim 7, wherein the radial inside face of the first coupling collar is conic converging in the direction opposite the first disc.

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9. The coupling according to claim 7, wherein the free end of the first coupling collar is designed with a hook facing radially outwards and engaging with an offset of the coupling groove when the devices are coupled.

10. The coupling according to claim 9, wherein the offset of the coupling groove is located at a greater distal distance than the free end face on its radial interior wall.

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11. The coupling according to claim 7, wherein the two discs are pivotally connected to each other by a hinge.

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12. The coupling according to claim 11, wherein the hinge comprises at least two pins facing in opposite directions and placed on each their bracket on the second disc, at least two slots pointing inwards and issuing from the periphery of the first disc and serving for accommodating the brackets, at least two elevations inclining outwards on the first disc, and bearing bushes for journaling of the pins.

13. The coupling according to claim 11, wherein the hinge is an integral hinge.

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14. The coupling according to claim 7, wherein the first disc is designed with a guide collar, with the guide collar together with the first coupling collar defining a guide groove which accommodates the radial exterior wall of the first coupling part when the devices are coupled.

15. The coupling according to claim 7, wherein the first disc has a greater diameter than the second disc.

16. The coupling according to claim 7, wherein the first disc is made of a 5 relatively flexible material whereas the second disc is made of a more rigid material.

17. The coupling according to claim 7, wherein at least the second disc is reinforced with at least one circumferential reinforcing rib.

10 18. The coupling according to claim 7, wherein the first disc is made of a transparent material.

19. The coupling according to claim 1, which further comprises locking means for locking the first and the second discs together when the devices are coupled and the coupling 15 is arranged substantially diametrically opposite the hinge of the second coupling part.

20. The coupling according to claim 19, wherein the locking means comprises a cut-out section in the first disc and a clip or a hook mounted on the second disc to clip around at least a part of the edge of the cut-out section of the first disc for locking the discs together 20 when the devices are coupled.

21. The coupling according to claim 19, wherein the locking means comprises a cut-out section in the first disc, a dimple arranged substantially in the area along the edge of the cut-out section and a bead on the second disc for locking engagement with the dimple 25 when the devices are coupled.

22. The coupling according to claim 19, wherein the locking means comprises a grasping section on the first disc, the grasping section having a recess facing the second disc and the second disc having a tongue for engaging the recess when mounted.

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23. The coupling according to claim 22, wherein the grasping section has a corrugated surface.

24. The coupling according to claim 1, wherein the first disc has a first section extending radially outwards from its aperture in a direction mainly perpendicular to its axis, and a conic second section extending radially outwards in continuation of the first section.

5 25. The coupling according to claim 1, wherein the second disc extends conically outwards from its aperture.

26. The coupling according to claim 1, wherein the first coupling part is an implant for implantation around a stoma of an animal or human body.

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27. The coupling according to claim 1, wherein the second coupling part is placed inside a pouch for coupling with the implant with the coupling collars extending out through an aperture in the pouch.

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28. The coupling according to claim 27, wherein an inside of an edge section along the aperture of the pouch is closely joined with the outer side of the radial first section of the first disc.

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29. A method for application of a coupling according to claim 1, wherein the two discs of the second coupling part are joined, the second coupling part is placed inside a pouch, and the inside of an area around an aperture of the pouch is joined with and fastened to the first disc with the coupling collars extending out through the aperture of the pouch.

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30. The method according to claim 29, wherein the two coupling collars of the second coupling part together are pushed into the coupling groove of the first coupling part.

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31. The method according to claim 29, wherein the radial exterior wall of the first coupling part forming the radial outer definition of the coupling groove is placed in the guide groove in the first disc of the second coupling part while the second coupling part is open, and the second coupling part then is closed.

32. The method according to claim 29, which further comprises uncoupling the parts by releasing the engagement between the two coupling parts by manipulation of the first disc.

33. The method according to claim 32, wherein the engagement between the two coupling parts is released by distally displacing the first disc.

34. The method according to claim 32, wherein the engagement between the two coupling parts is released by affecting the first disc with radially opposite compressive forces in peripheral areas.
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35. An ostomy pouch obtained by the method according to claim 29.

10 36. A method for application of the coupling according to claim 1 and an ostomy pouch, wherein the first coupling part in the form of an annular implant having a projecting section with the coupling groove is implanted around a stoma, and an ostomy pouch is coupled to the implant by the two coupling collars of the second coupling part being pushed into the coupling groove of the first coupling part.

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37. The method according to claim 36, wherein the engagement between the two coupling parts is released by manipulation of the first disc.

20 38. The method according to claim 36, wherein the engagement between the two coupling parts is released by manipulation of the locking means for disengaging the lock between the first and the second disc.